

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of the Claims:

1. (Currently Amended) ~~Arrangement~~ An arrangement for at least one of analyzing, simulating and/or monitoring functions and/or structures in a distributed control system (24) that works with a first protocol (29), comprising:~~characterized in that~~

~~a at least one first unit (23, 26) is connected or can be connected to the distributed control system via contacts (5', 6', 6''), which the at least one first unit, by means of the first protocol, receives and/or sends task instructions concerning the monitoring functions and/or structures; and in that the first unit is connected to~~

~~a second unit (22); in that the second unit in turn is connected or can be connected either the first unit and to a tool arrangement interactable with a user and further comprising:~~

~~a first computer equipment (21) adapted with large capacity in order to be able to carry out sophisticated calculation, simulation and/or analysis tasks, or to~~

~~a PDA unit or corresponding unit a second computer connected or connectable to a the first computer equipment that is adapted to configurate configure the second computer PDA unit or the corresponding unit, which wherein the second computer PDA unit or corresponding unit is adapted to carry out more limited at least some of the tasks of the first computer of the mentioned kind,~~

~~in that wherein the at least one first unit transforms, at least those parts in the first protocol (29) that relate to said tasks into a second protocol (28), by means of which the tasks or parts of tasks can be transformed to carried out by the second unit (22), in that~~

~~wherein~~ the second unit, by means of the second protocol (28) or a third protocol (27), can communicate with the tool arrangement, which ~~at~~ by readings and/or modifications in the first protocol and in the first and second protocols, respectively, ~~treats~~ can carry out the same with readings and/or modifications in a same way in the second and third protocols, respectively,

~~in that wherein~~ the at least one first unit (23, ~~or~~ 26) further comprises at least one microprocessor which communicates partly with the distributed control system by means of a connection, a protocol and a bit speed valid for the distributed control system, partly and communicates with the second unit (22), and

~~in that wherein~~ the second unit is equipped with at least one microprocessor, ~~as well, by means of which microprocessor the second unit is~~ adapted to communicate and exchange information with the at least one first unit and the tool arrangement.

2. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1, characterized ~~in that wherein~~ the second protocol is developed specially to serve as a common platform for the analysis tasks of two or more systems with different protocols ~~or the first protocol, respectively.~~

3. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1, characterized ~~in that wherein~~ the second unit provides a common time base for units ~~(23)~~ working in parallel.

4. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1, characterized ~~in that wherein~~ the at least one first unit ~~or first units (23)~~ are ~~is~~ arranged for independent collection, processing and saving of information from the connected distributed control system and in that the information generated in this way is arranged to be able to be read and/or interpreted ~~via the generated information via~~ generated by the second unit (22).

5. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1, characterized ~~in that wherein~~ second parts of task instructions downloaded or transferred from

the ~~first computer equipment~~ (21) can be allocated to a number of technicians for use of ~~in PDA~~
~~second computer units~~ in different systems.

6. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1,
~~characterized in that in the wherein during~~ interaction between the ~~first computer equipment~~ and
the user, rules are generated for automatic repetition, and ~~in that the rules can be~~ are further
modified for a ~~PDA unit second computer~~ with regard to the collected information and the
presentation of ~~results of the analysis result task~~.

7. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1,
~~characterized in that wherein~~ the tool arrangement is adapted with a connection arrangement
adapted to communicate with one or more ~~of the~~ microprocessors via serial or wireless
communication, ~~for example USB, Ethernet, etc.~~

8. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1,
~~characterized in that wherein~~ the first or second unit is adapted to communicate via a serial
communication, ~~for example CAN or LIN, in one direction and with a microprocessor (4) via a~~
serial communication, ~~for example CAN, USB, etc. towards the other direction and to work with~~
~~a reduced interface, for example light diod(-s), summer, etc., toward user(-s) users.~~

9. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 1,
~~characterized in that wherein~~ the first or second unit communicates with one or more units via a
serial communication by means of ~~a the~~ at least one microprocessor and works with ~~a~~
interface toward ~~a at least one user(-s), carries out processing of signals from another an other~~
unit according to rules attained from ~~the other another~~ unit, and comprises a number of units
having microprocessors which communicate with serial communication.

10. (Currently Amended) ~~Arrangement~~ The arrangement according to claim 9,
~~characterized in that wherein~~ the units ~~further~~ comprise a local clock which respectively is
adjusted or related to a clock in ~~the other another~~ unit.

11. (New) The arrangement of claim 7, wherein the communication is by at least one of USB, Bluetooth and Ethernet.

12. (New) The arrangement of claim 8, wherein the serial communication is by at least one of CAN and LIN and the reduced interface is at least one of light diodes and summers.

13. (New) The arrangement of claim 9, wherein the serial communication is by at least one of CAN and LIN and the reduced interface is at least one of light diodes and summers.